Steven Olmschenk

List of Publications by Year
in descending order

26	3,873	516710 16	713466 21
papers	citations	h-index	g-index

26	26	26	3040
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Doubly ionized lanthanum as a qubit candidate for quantum networks. Physical Review A, 2022, 105, .	2.5	0
2	Optogalvanic spectroscopy of the hyperfine structure of the 5p65d Â 2D3/2,5/2 and 5p64f Â 2F5/2,7/2o levels of La iii. Physical Review A, 2017, 96, .	2.5	3
3	Laser ablation production of Ba, Ca, Dy, Er, La, Lu, and Yb ions. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	10
4	Note: Pneumatically actuated and kinematically positioned optical mounts compatible with laser-cooling experiments. Review of Scientific Instruments, 2013, 84, 096101.	1.3	1
5	Analysis of photon-mediated entanglement between distinguishable matter qubits. Physical Review A, 2012, 85, .	2.5	7
6	Linking crystals with a single photon. Nature Photonics, 2012, 6, 221-222.	31.4	0
7	Private random number generation through remote atom entanglement. , 2011, , .		0
8	Differential Light-Shift Cancellation in a Magnetic-Field-Insensitive Transition ofRb87. Physical Review Letters, 2011, 106, 063002.	7.8	29
9	Random numbers certified by Bellâ€™s theorem. Nature, 2010, 464, 1021-1024.	27.8	1,021
10	QUANTUM LOGIC BETWEEN DISTANT TRAPPED IONS. International Journal of Quantum Information, 2010, 08, 337-394.	1.1	16
11	Randomized benchmarking of atomic qubits in an optical lattice. New Journal of Physics, 2010, 12, 113007.	2.9	49
12	Entanglement of Atomic Qubits Using an Optical Frequency Comb. Physical Review Letters, 2010, 104, 140501.	7.8	123
13	Heralded Quantum Gate between Remote Quantum Memories. Physical Review Letters, 2009, 102, 250502.	7.8	51
14	Measurement of the lifetime of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>6</mml:mn><mml:mi>p</mml:mi><mml:mtext>â€‰</mml:mtext><mml:msubsup><mml:mro /><mml:none /><mml:mn>2</mml:mn></mml:mmultiscripts></mml:mrow><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>2</ of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">. Physical Review A, 2009, 80, .	2.5	41
15	Protocols and techniques for a scalable atomâ€“photon quantum network. Fortschritte Der Physik, 2009, 57, 1133-1152.	4.4	39
16	Quantum Teleportation Between Distant Matter Qubits. Science, 2009, 323, 486-489.	12.6	388
17	Measurement-based entanglement and quantum information processing with remote ions. , 2009, , .		0
18	Bell Inequality Violation with Two Remote Atomic Qubits. Physical Review Letters, 2008, 100, 150404.	7.8	290

#	Article	IF	Citations
19	Manipulation and detection of a trapped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mi>Yb</mml:mi><mml:mo>+</mml:mo></mml:msup></mml:mrow></mml:math>hyperfine qubit. Physical Review A, 2007, 76, .	2.5	351
20	Quantum interference of photon pairs from two remote trapped atomic ions. Nature Physics, 2007, 3, 538-541.	16.7	219
21	Entanglement of single-atom quantum bits at a distance. Nature, 2007, 449, 68-71.	27.8	635
22	T-junction ion trap array for two-dimensional ion shuttling, storage, and manipulation. Applied Physics Letters, 2006, 88, 034101.	3.3	152
23	Ion trap in a semiconductor chip. Nature Physics, 2006, 2, 36-39.	16.7	194
24	Scaling and Suppression of Anomalous Heating in Ion Traps. Physical Review Letters, 2006, 97, 103007.	7.8	233
25	Efficient photoionization loading of trapped ions with ultrafast pulses. Physical Review A, 2006, 74, .	2.5	20
26	ION TRAP NETWORKING: COLD, FAST, AND SMALL. , 2005, , .		1